

Fig. 1

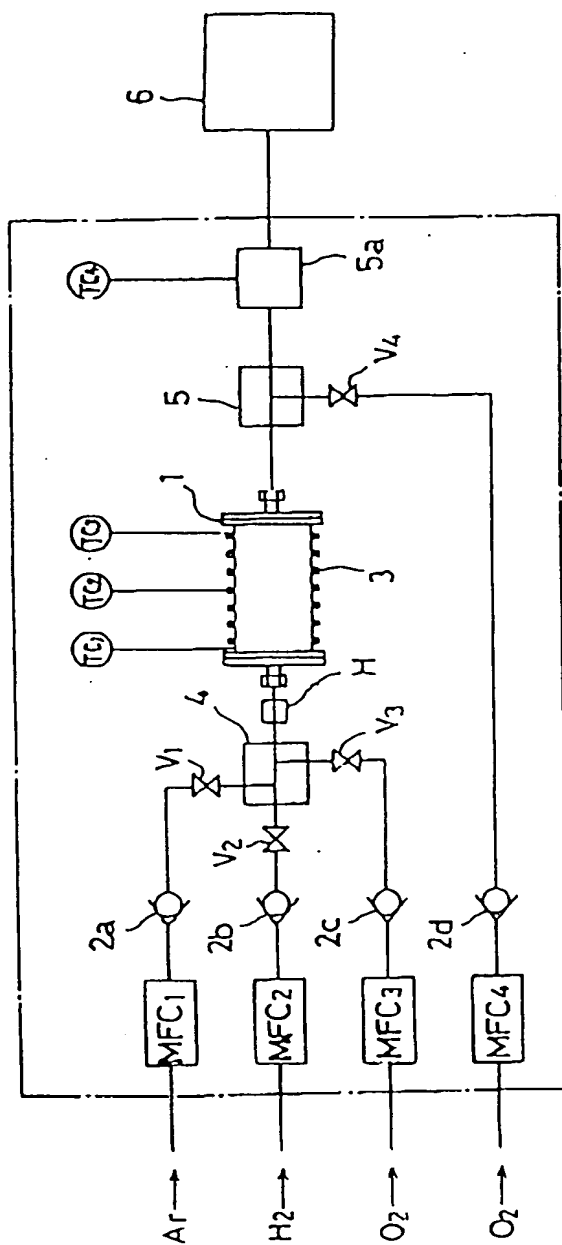


Fig. 2

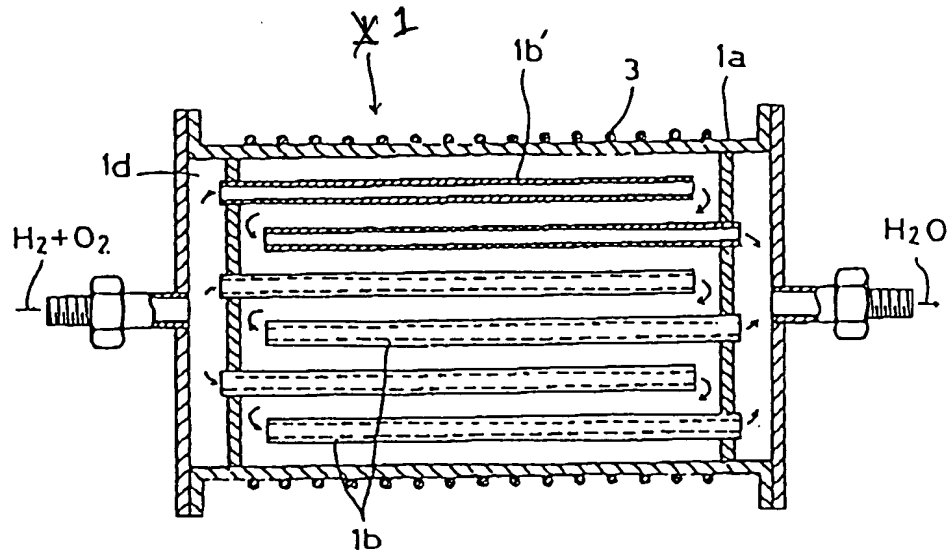


Fig. 3

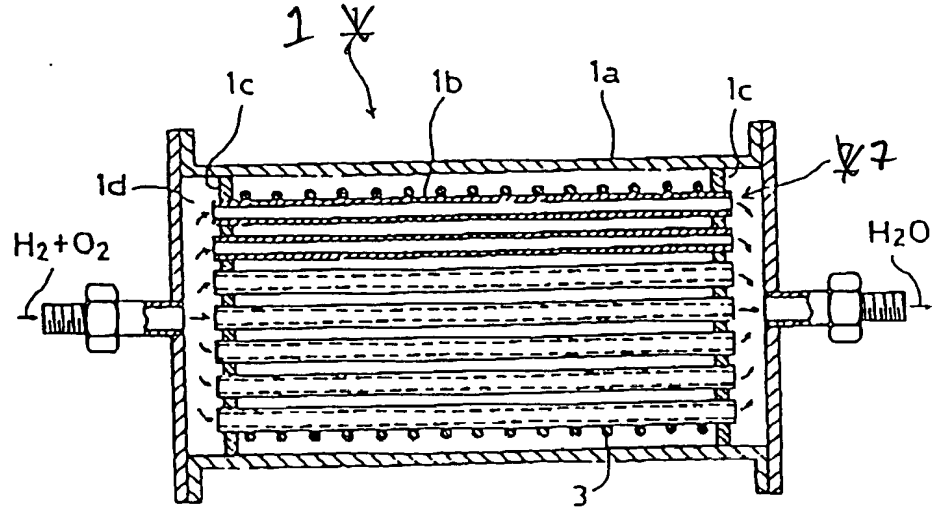


Fig. 4

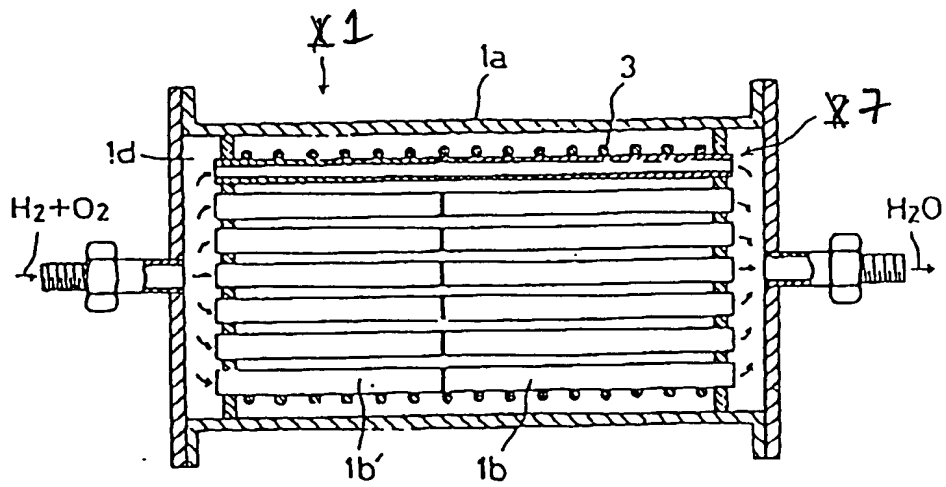


Fig. 5

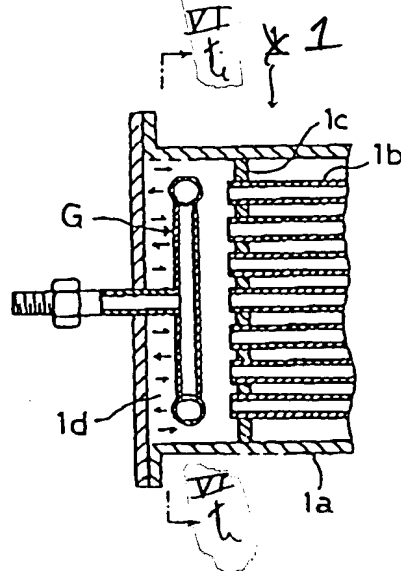


Fig. 6

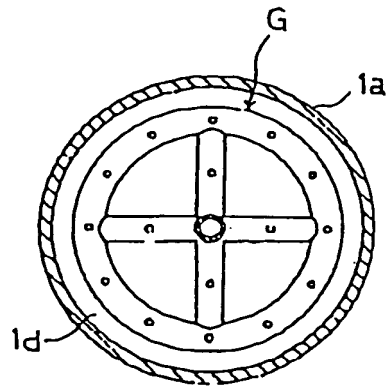


Fig. 7

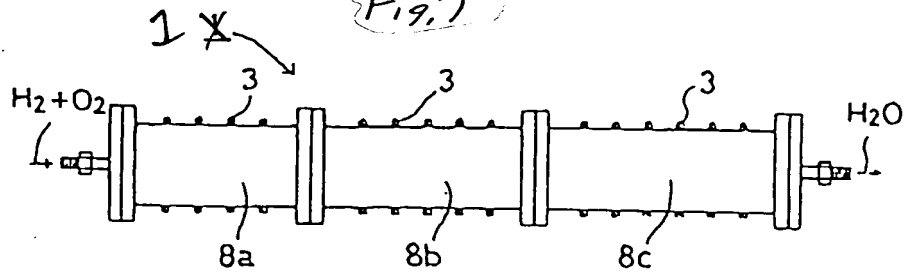


Fig. 8

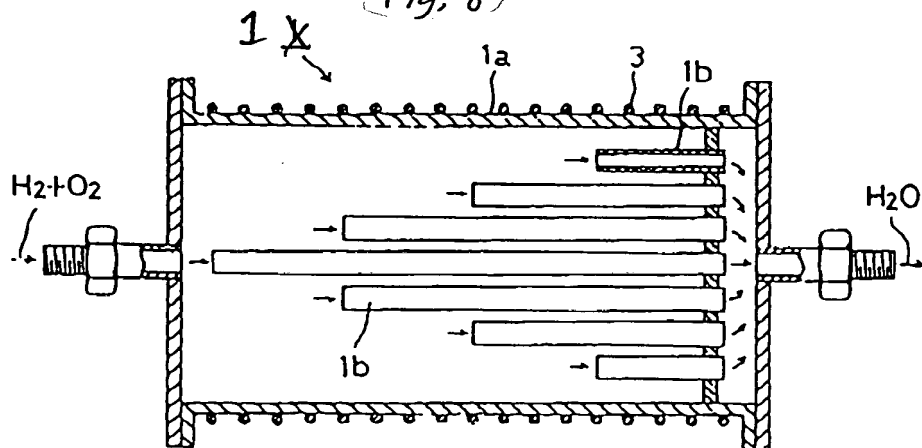
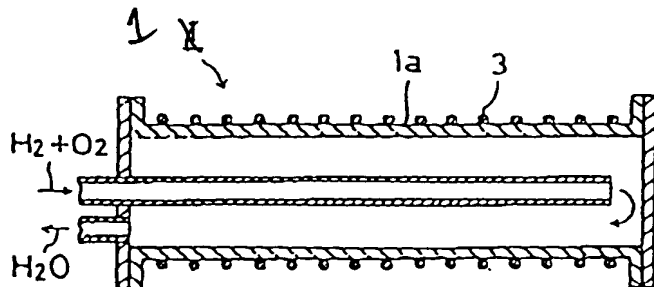


Fig. 9,



~~Fig. 10~~ Fig. 10

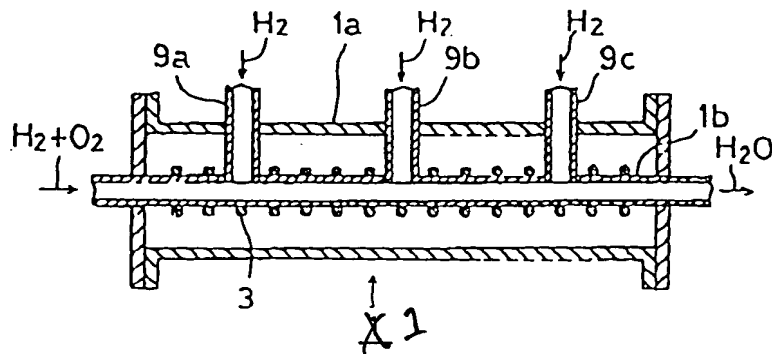


Fig. 11

~~Fig. 11~~

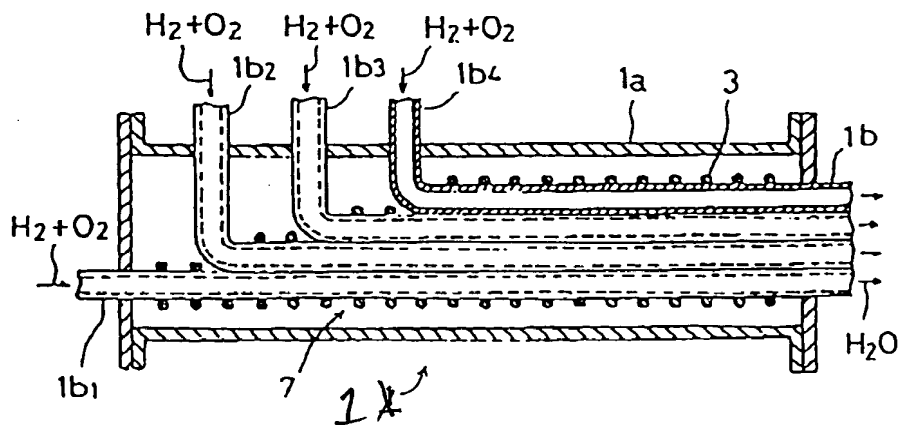
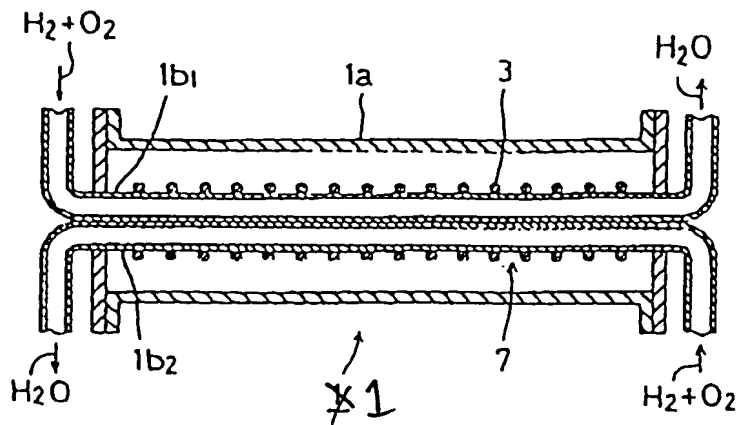




Fig. 12

12



13

Fig. 13

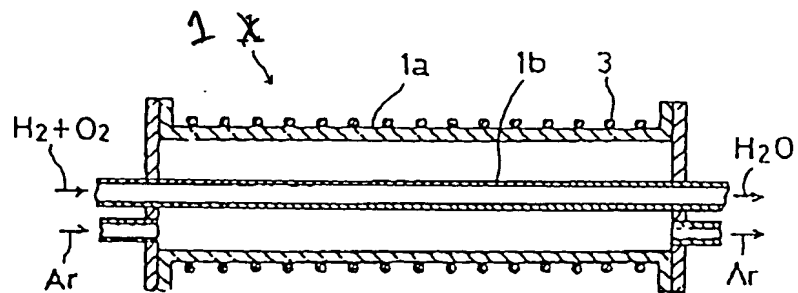


Fig. 14
14

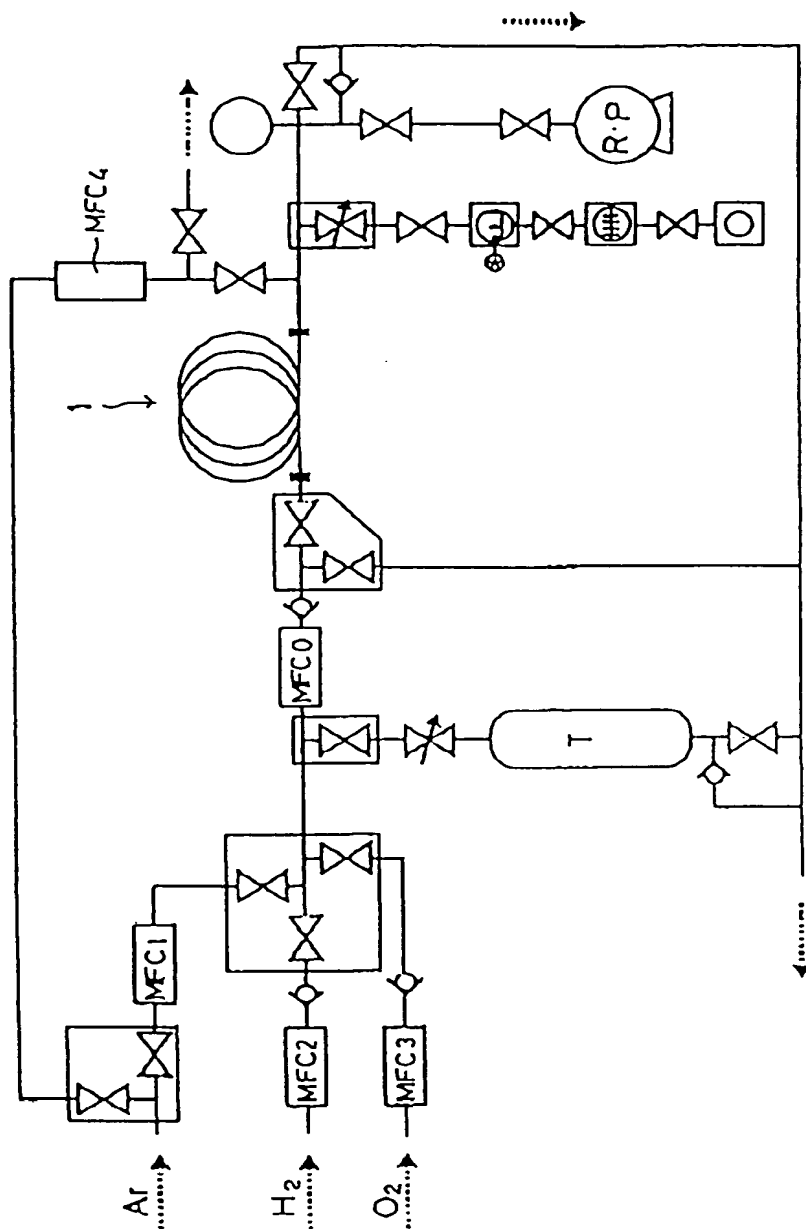
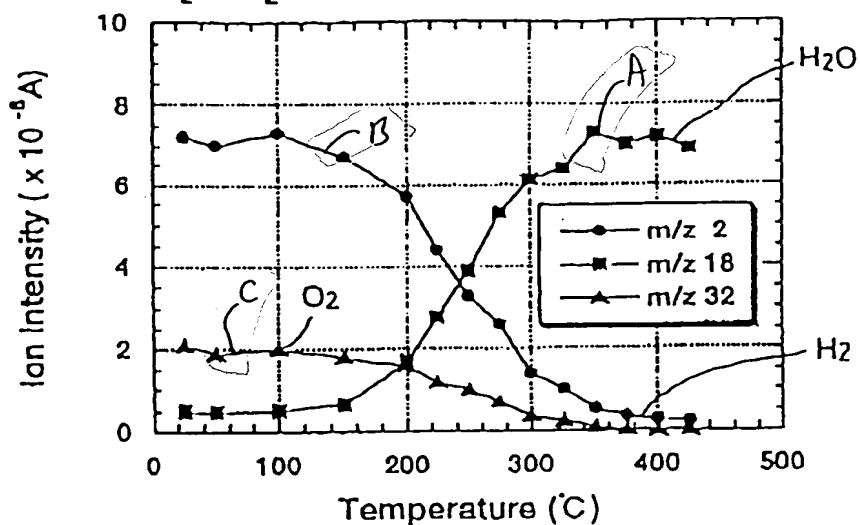




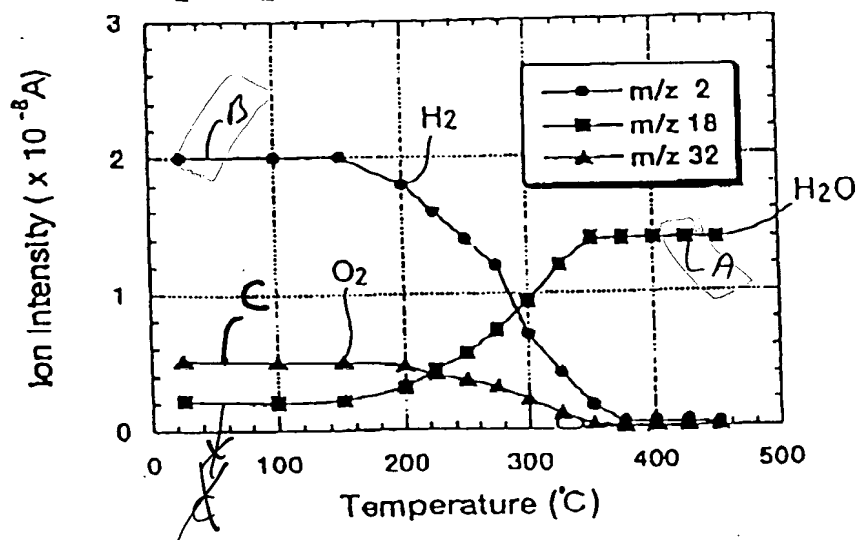
Fig. 15
~~Fig. 15~~

$H_2 : O_2 = 67\% : 33\%$, 25scc/min



~~Fig. 16~~ Fig. 16

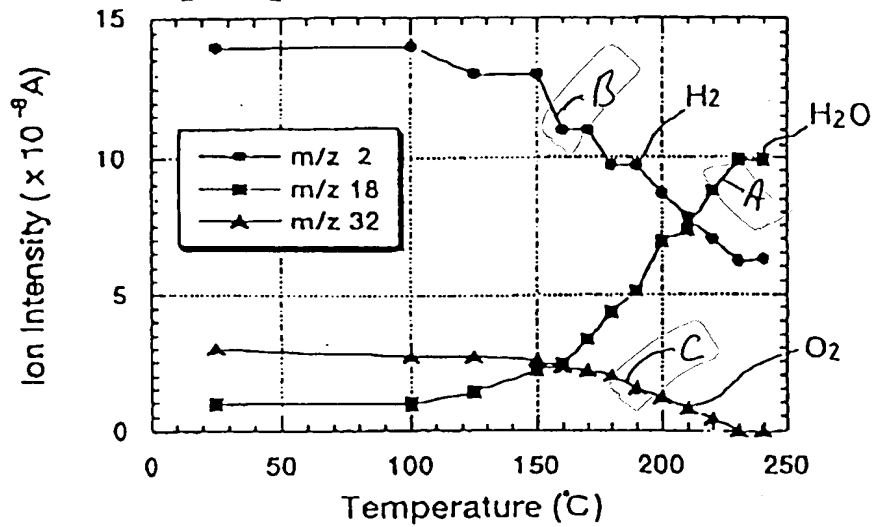
$H_2 : O_2 = 20\% : 10\%$, 75scc/min





F19.17
~~18~~ 17

$H_2 : O_2 = 75\% : 25\%$, 25scc/min



~~Fig. 18~~ Fig. 18

$H_2 : O_2 = 30\% : 10\%$, 25scc/min

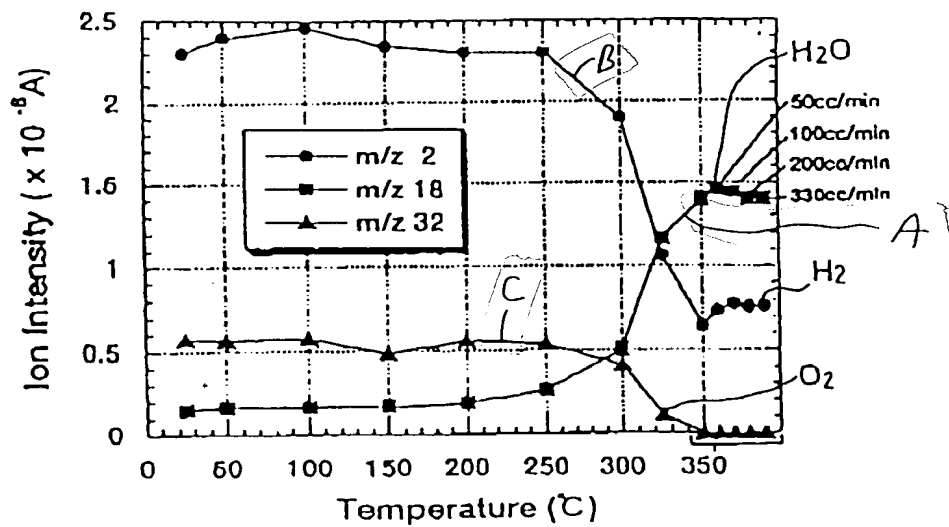
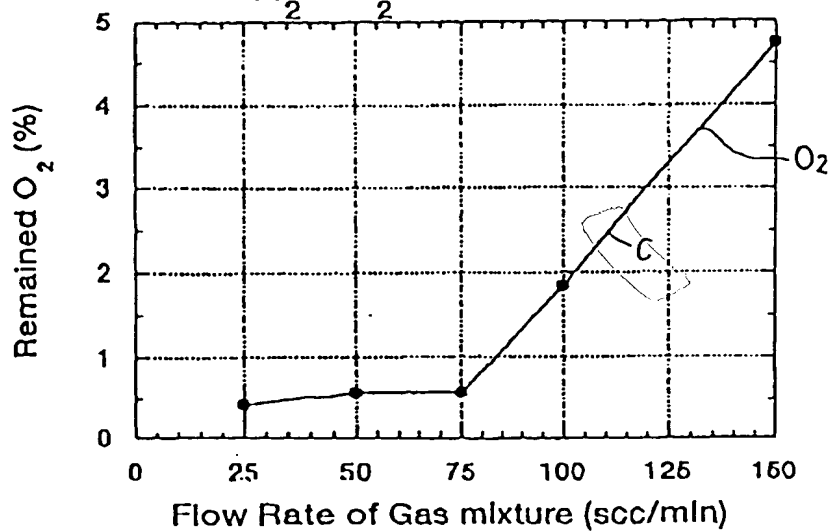


Fig. 19

~~Fig. 19~~

Ni Tube (1/4 inch x 2m) , 500°C

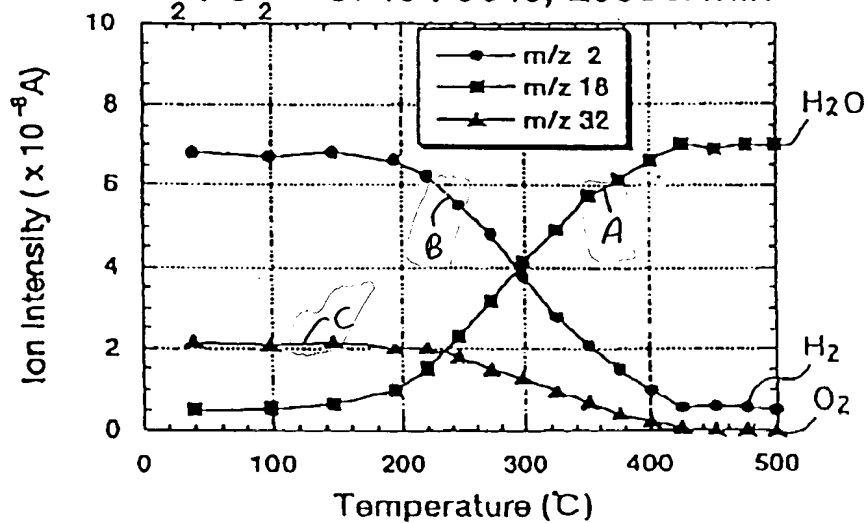
$H_2 : O_2 = 67\% : 33\%$



~~Fig. 20~~ Fig. 20

Ni Filter

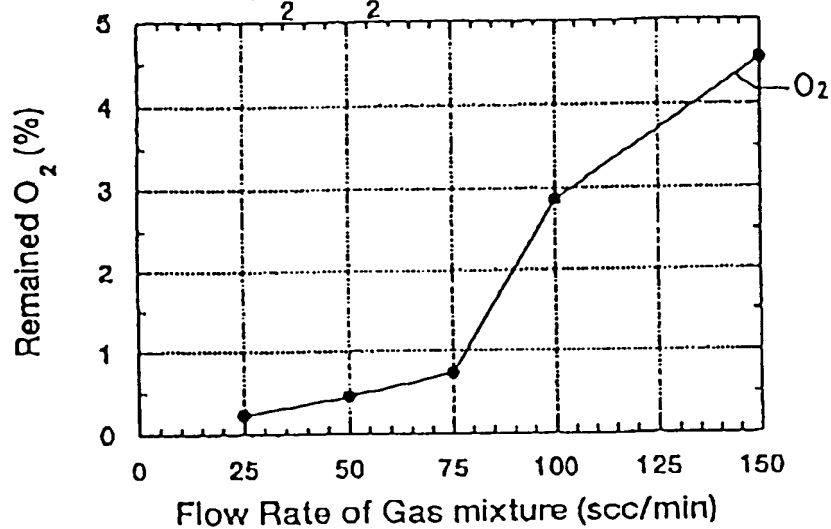
$H_2 : O_2 = 67\% : 33\%$, 25scc/min





21
Fig. 2/

Ni Filter, 500°C
 $H_2 : O_2 = 67\% : 33\%$



~~Fig. 22~~

 Fig. 22

Ni Ribbon (t 0.3 x 20 x 1000mm)

$H_2 : O_2 = 67\% : 33\%$, 25scc/min

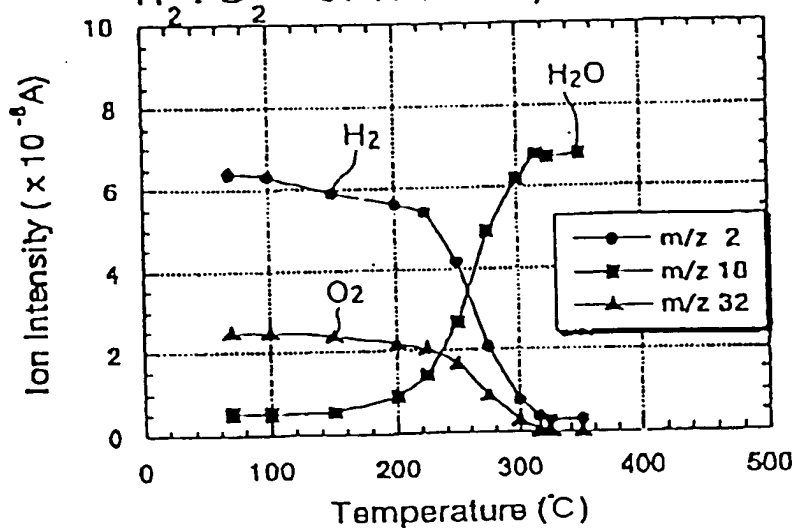


Fig. 23

Ni Ribbon (t 0.3 x 20 x 1000mm) , 500°C
 $H_2 : O_2 = 67\% : 33\%$

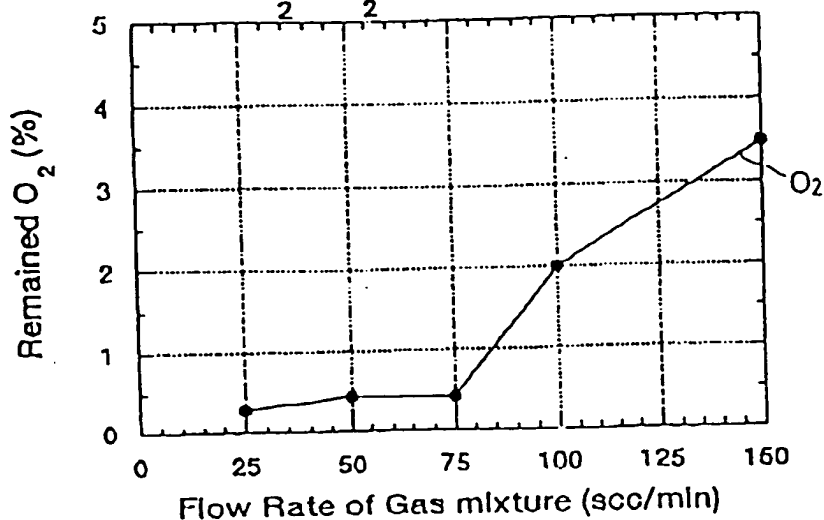
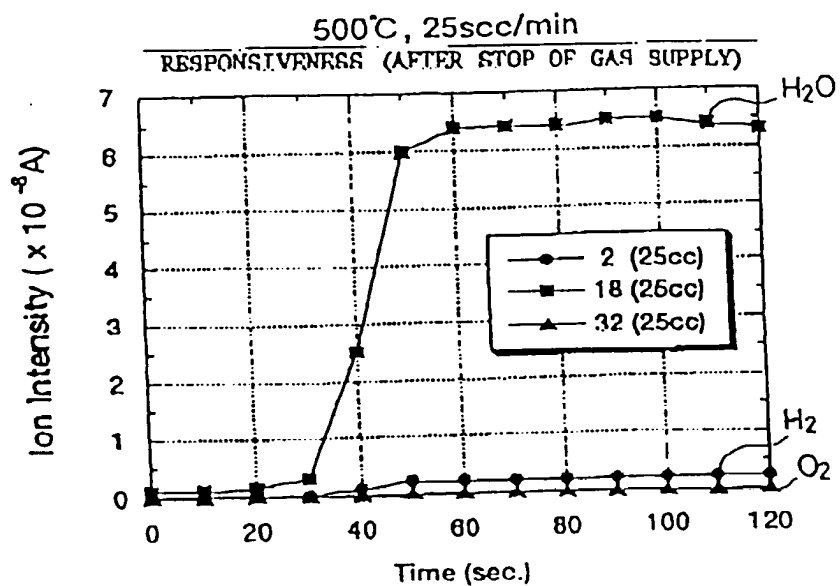
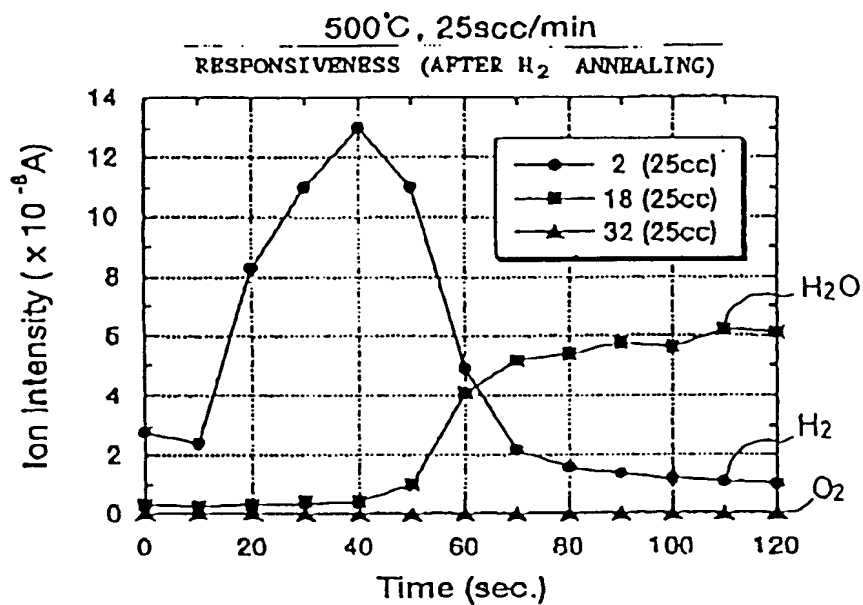


Fig. 24





P19, 25
~~25~~



~~26~~ Fig. 26

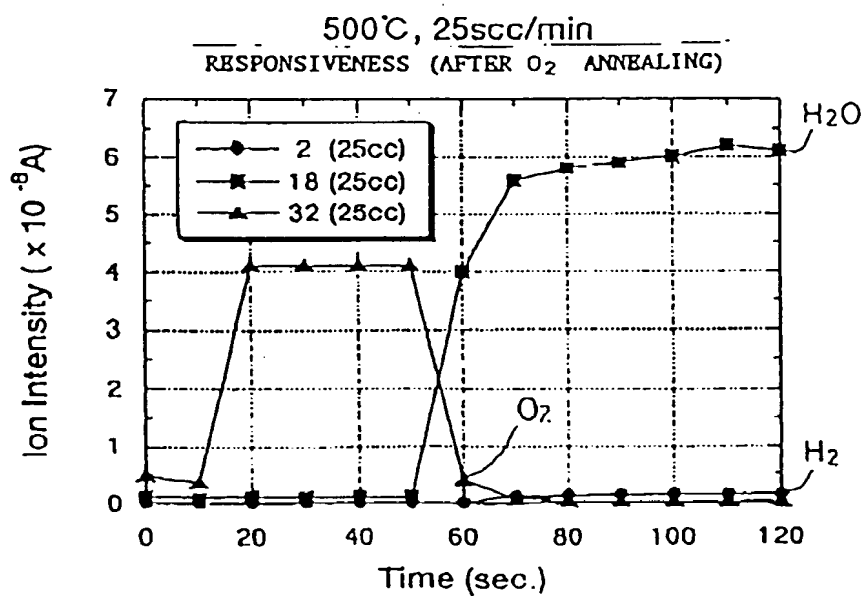




Fig. 27
27

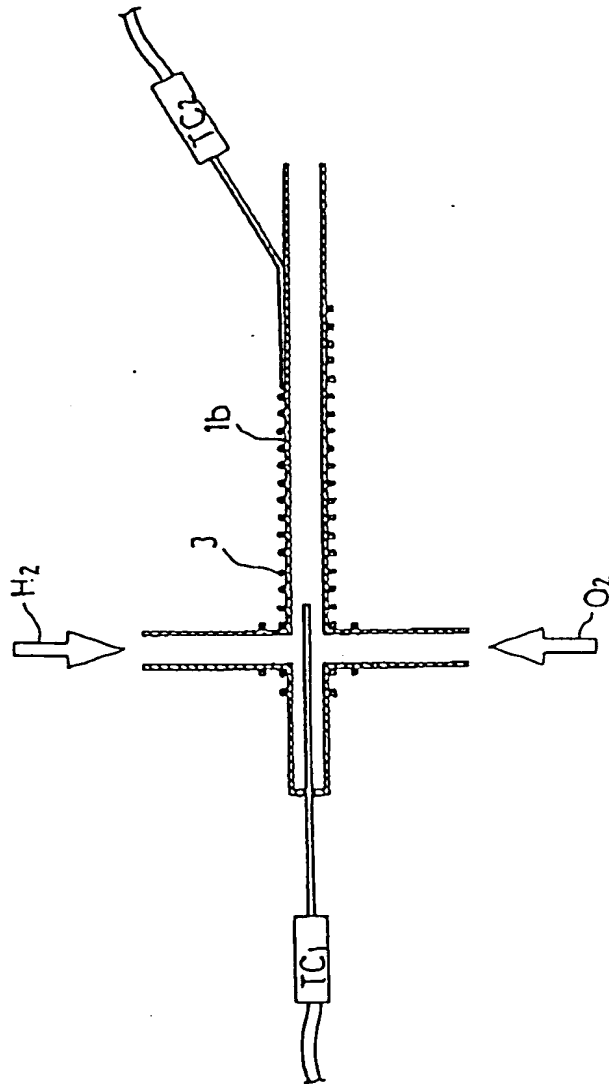




Fig. 28

28

$H_2: O_2 = 2:1$

$H_2: 100 \text{ scc/min}$
 $O_2: 50 \text{ scc/min}$
 610°C

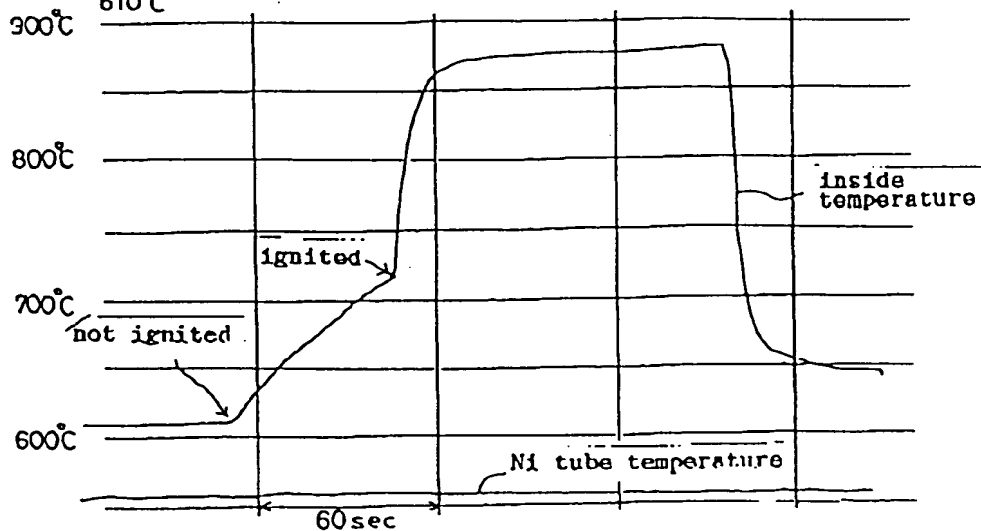
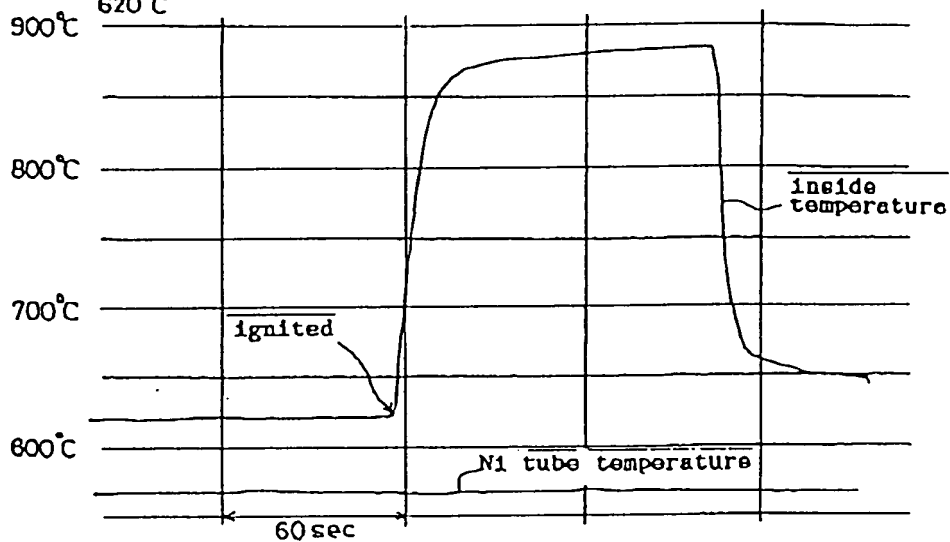




Fig. 29
~~Fig. 28~~

$H_2:O_2 = 2:1$

H_2 : 100 scc/min
 O_2 : 50 scc/min
620°C



~~Fig. 30~~ Fig. 30

$H_2:O_2 = 3:1$

H_2 : 100 scc/min
 O_2 : 33 scc/min
610°C

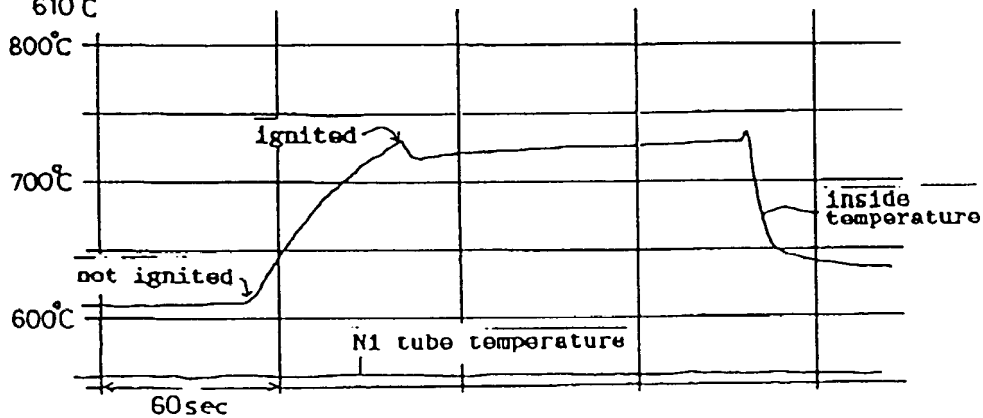




Fig. 3)

$H_2 : O_2 = 3 : 1$

$H_2 : 100 \text{ scc/min}$
 $O_2 : 33 \text{ scc/min}$
 620°C

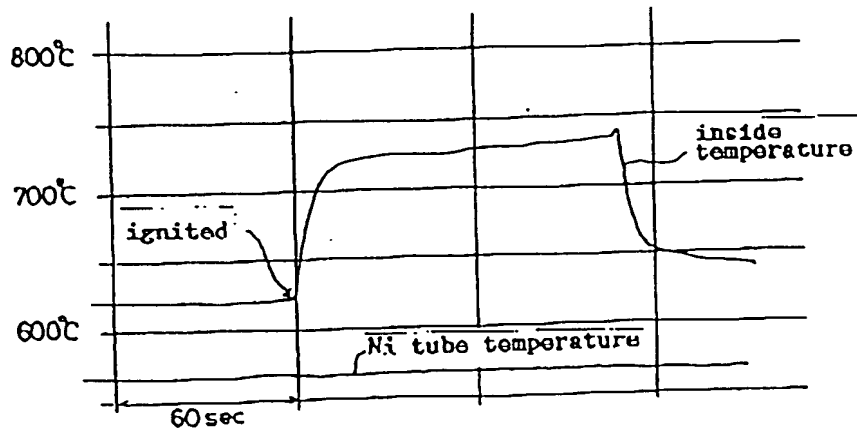


Fig. 32
~~Fig. 32~~

$H_2 : O_2 = 4 : 3$

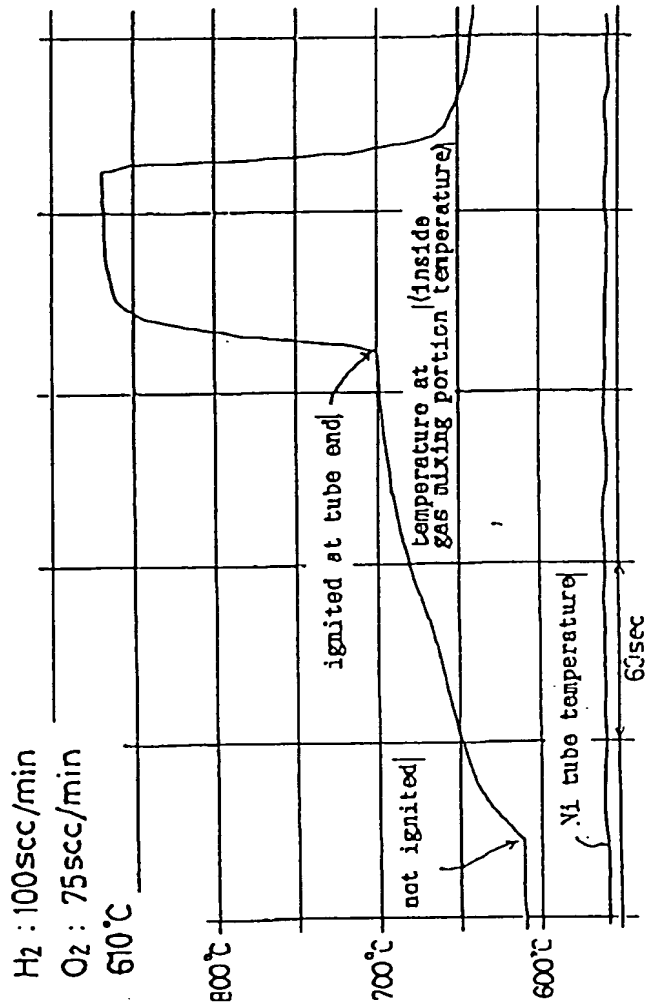




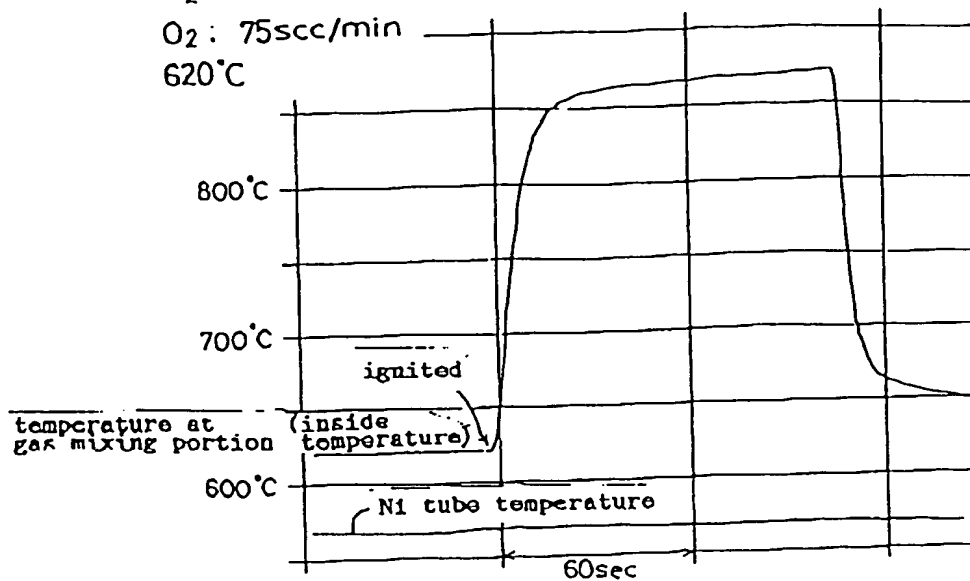
Fig. 33

~~Fig. 33~~

H₂ : 100 scc/min

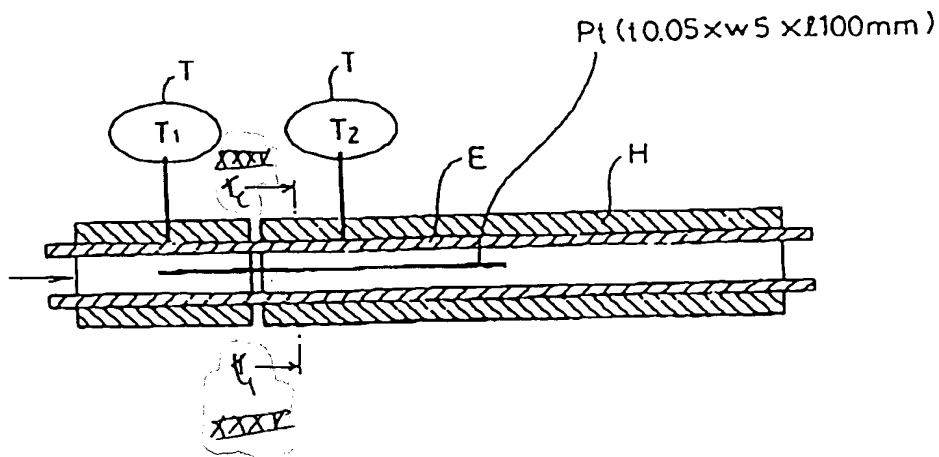
O₂ : 75 scc/min

620°C



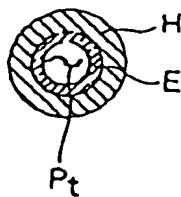
~~Fig. 34~~

Fig. 34

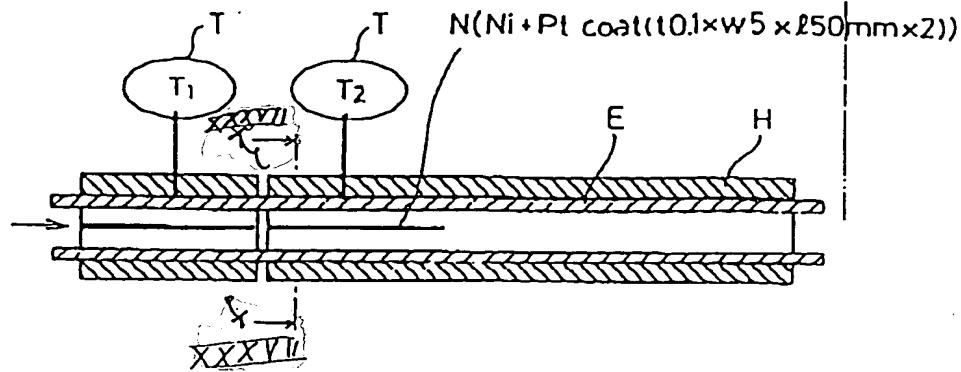




~~Fig. 35~~
~~35~~



~~Fig. 36~~ Fig. 36



~~Fig. 37~~ Fig. 37

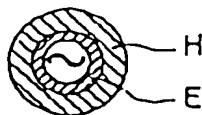
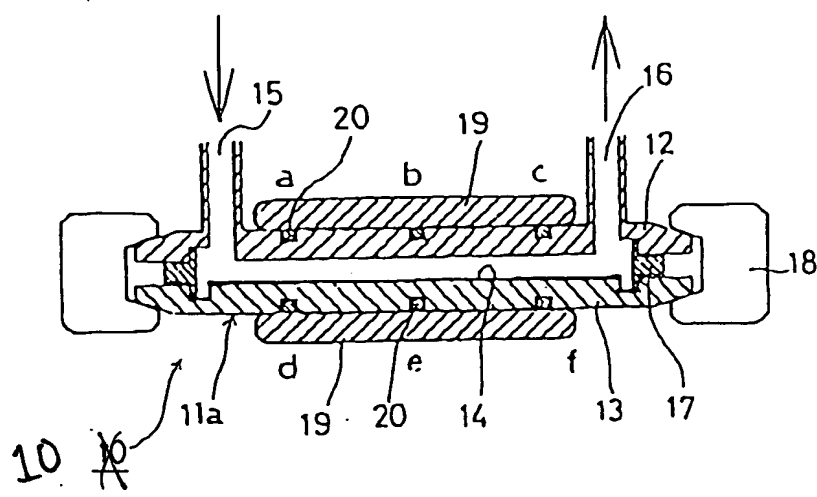




Fig. 38
~~38~~



~~39~~ Fig. 39

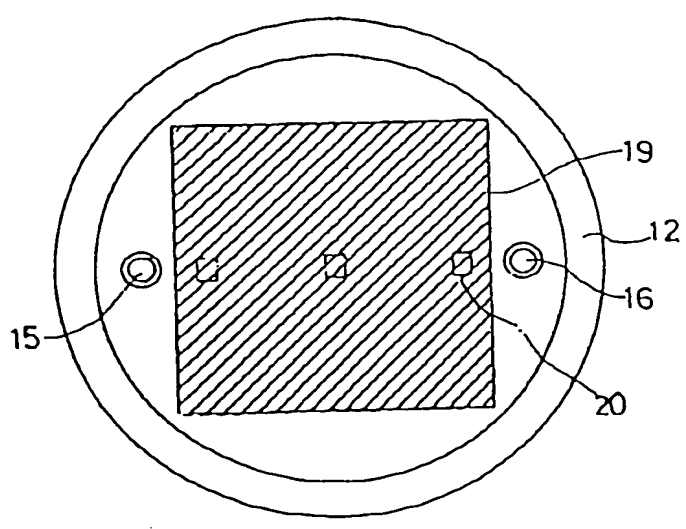


Fig. 40

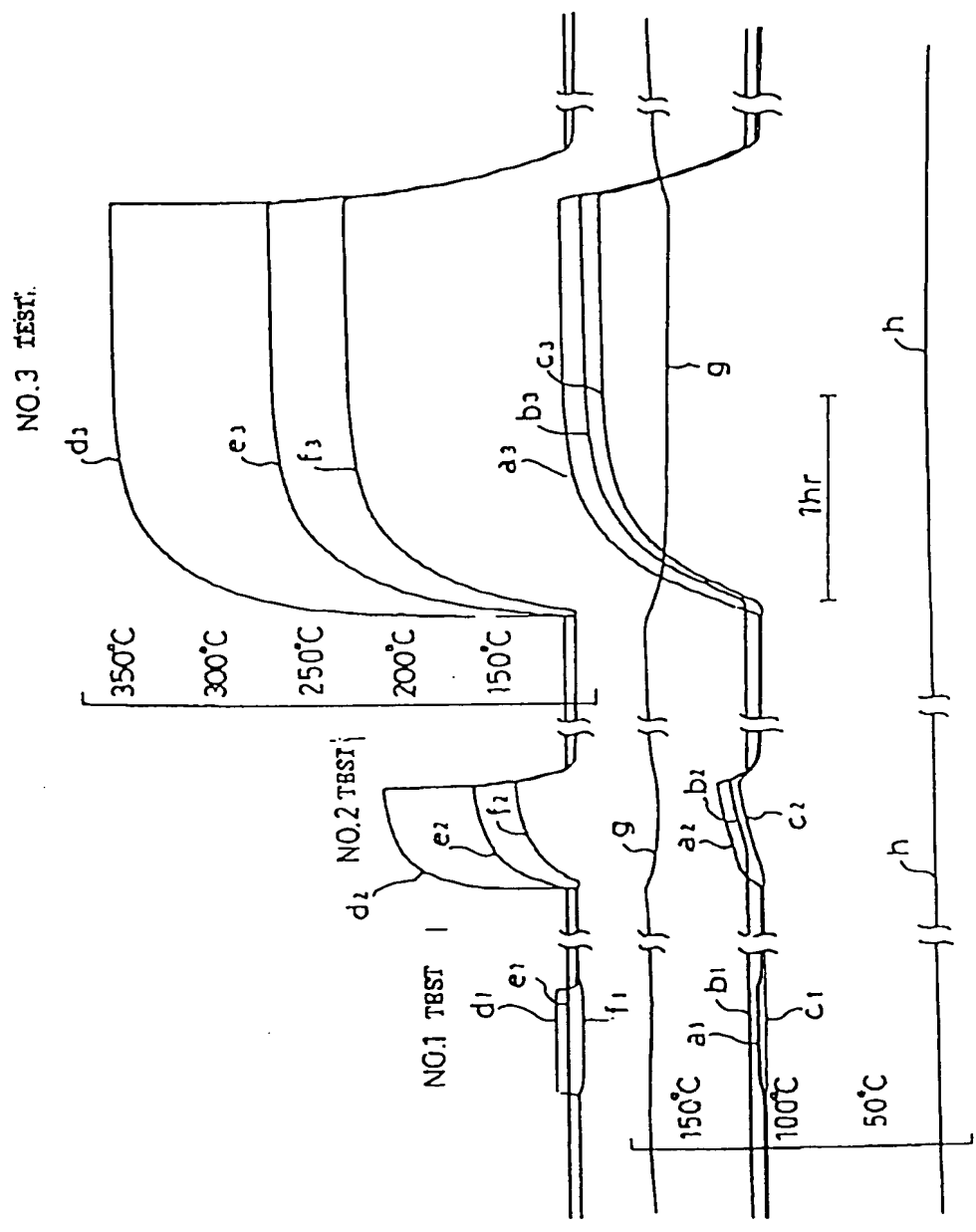


Fig. 41

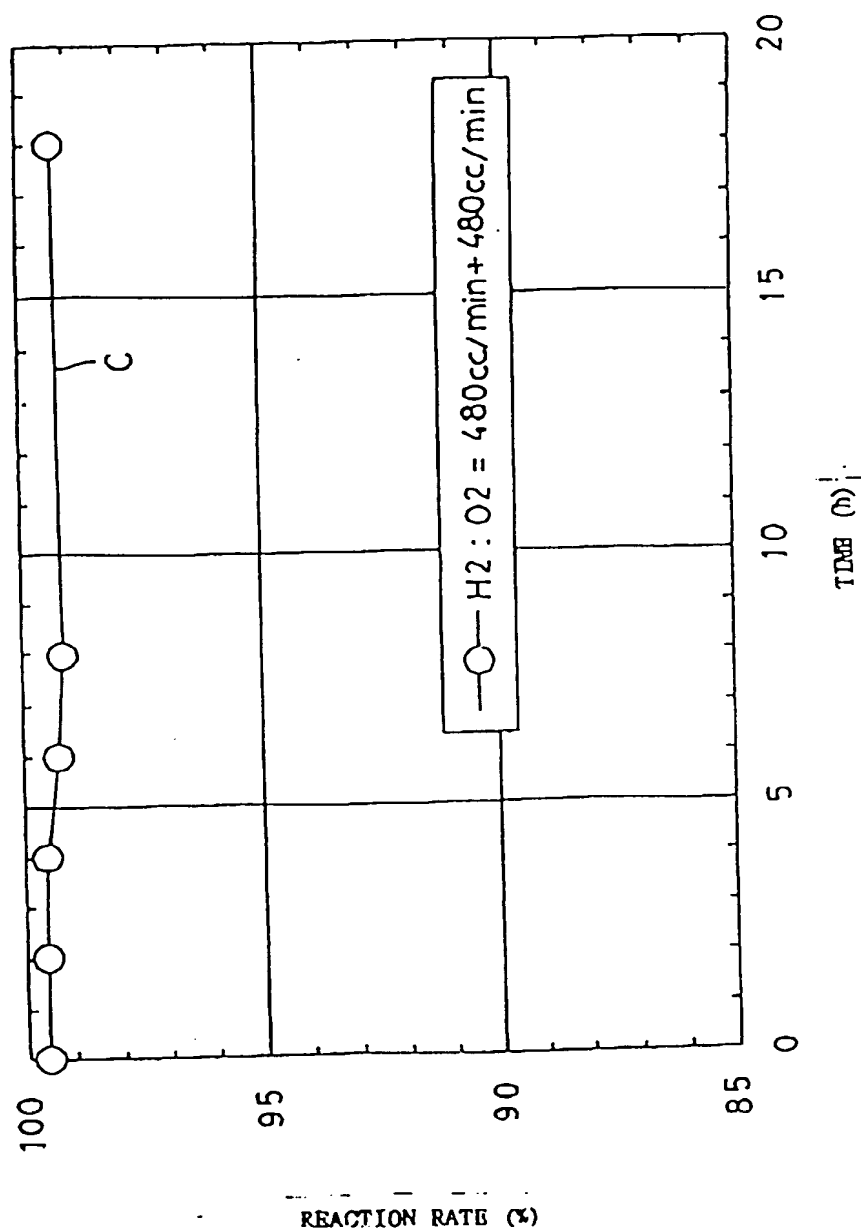


Fig. 42

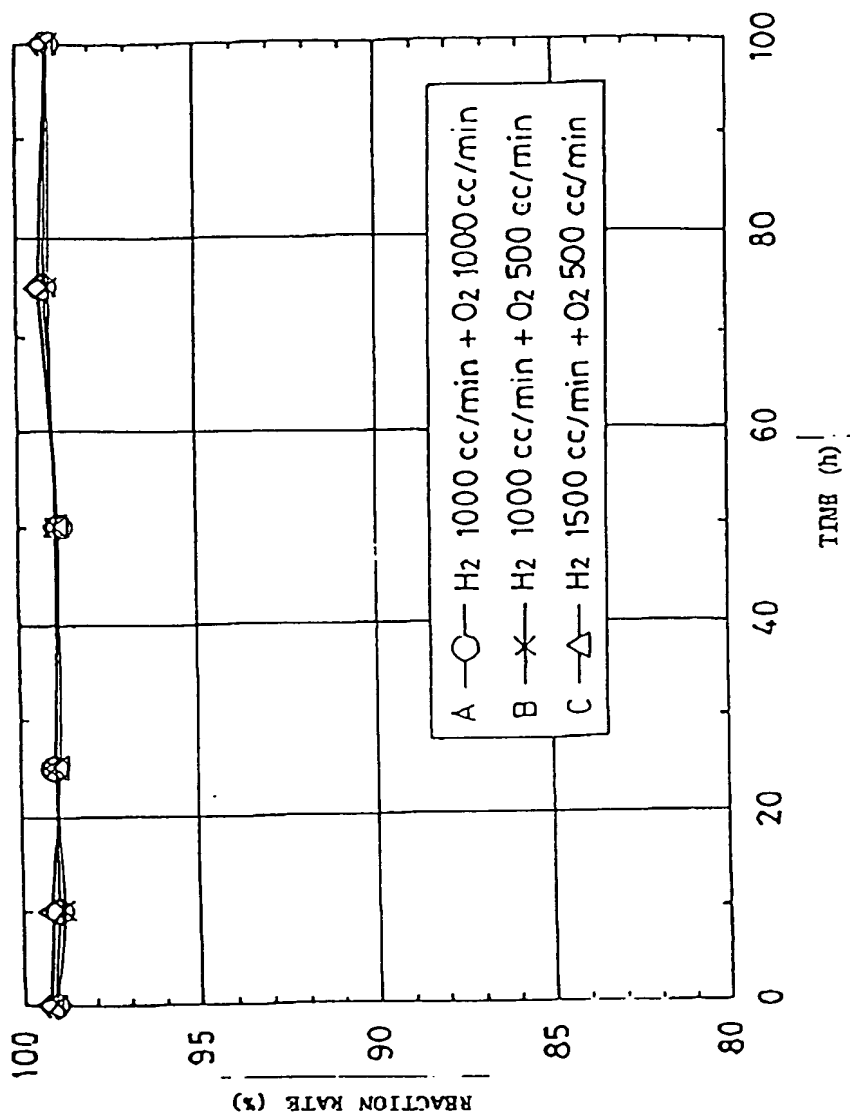


Fig. 44

~~33~~ 33

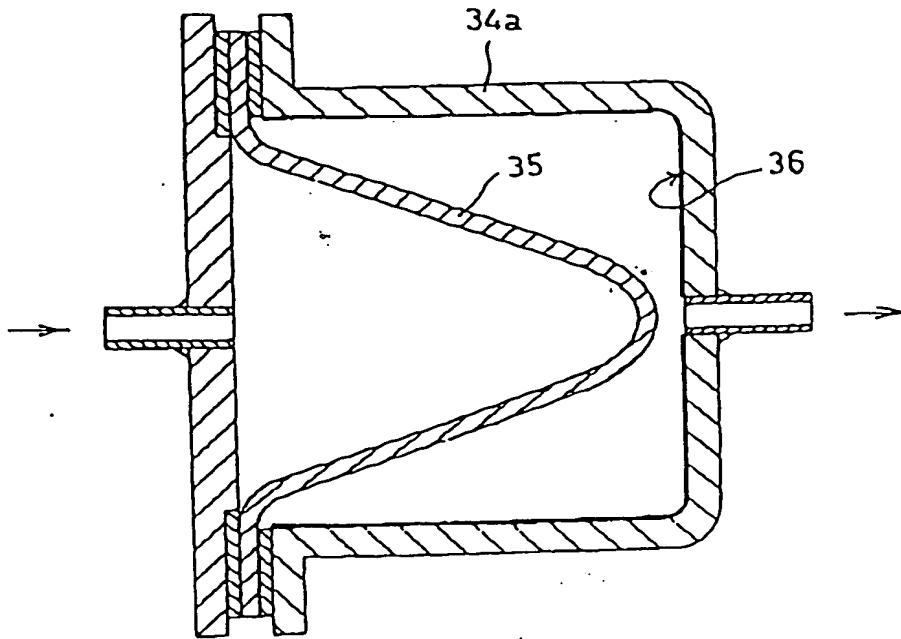


Fig. 45

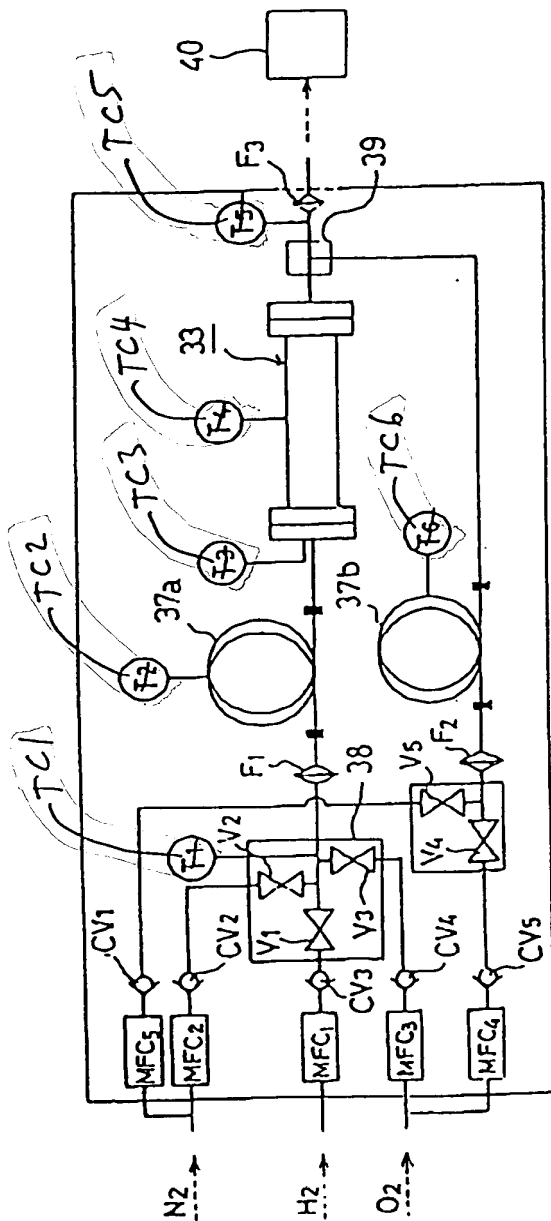
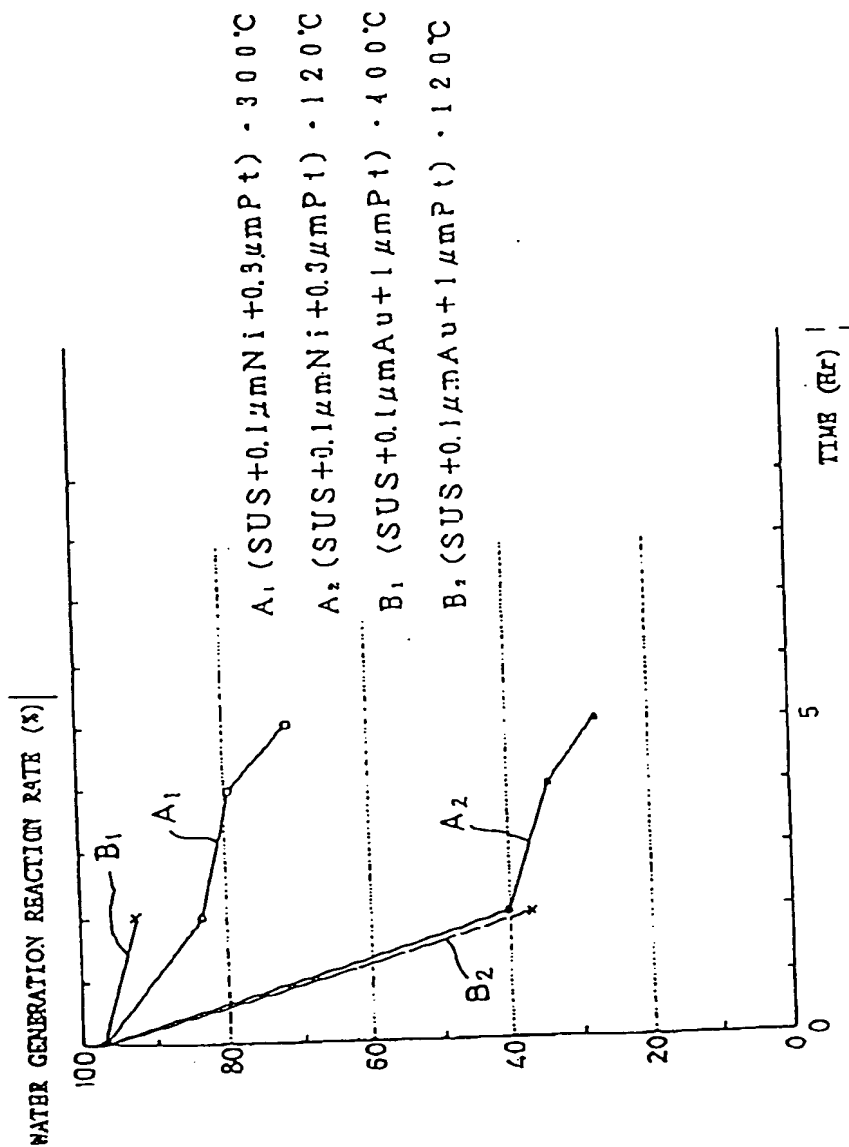


Fig. 46
~~Fig. 46~~



~~Fig. 47~~
 Fig. 47

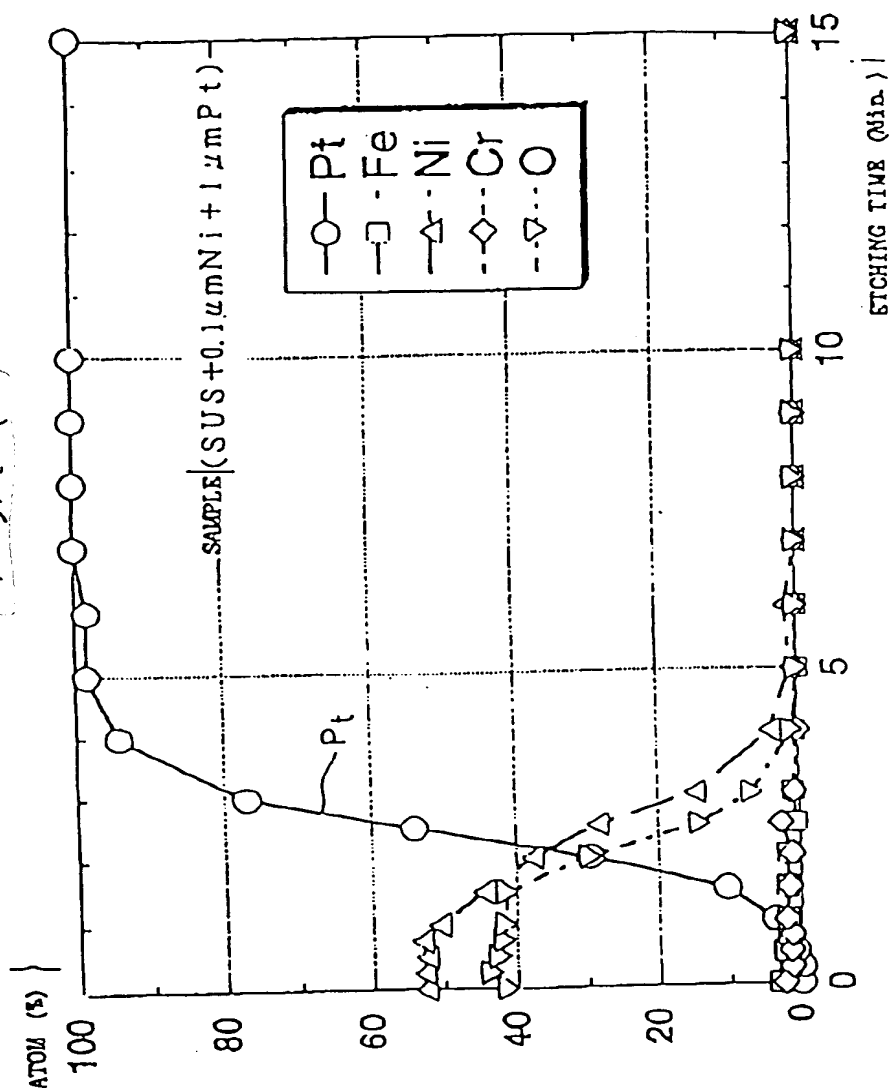
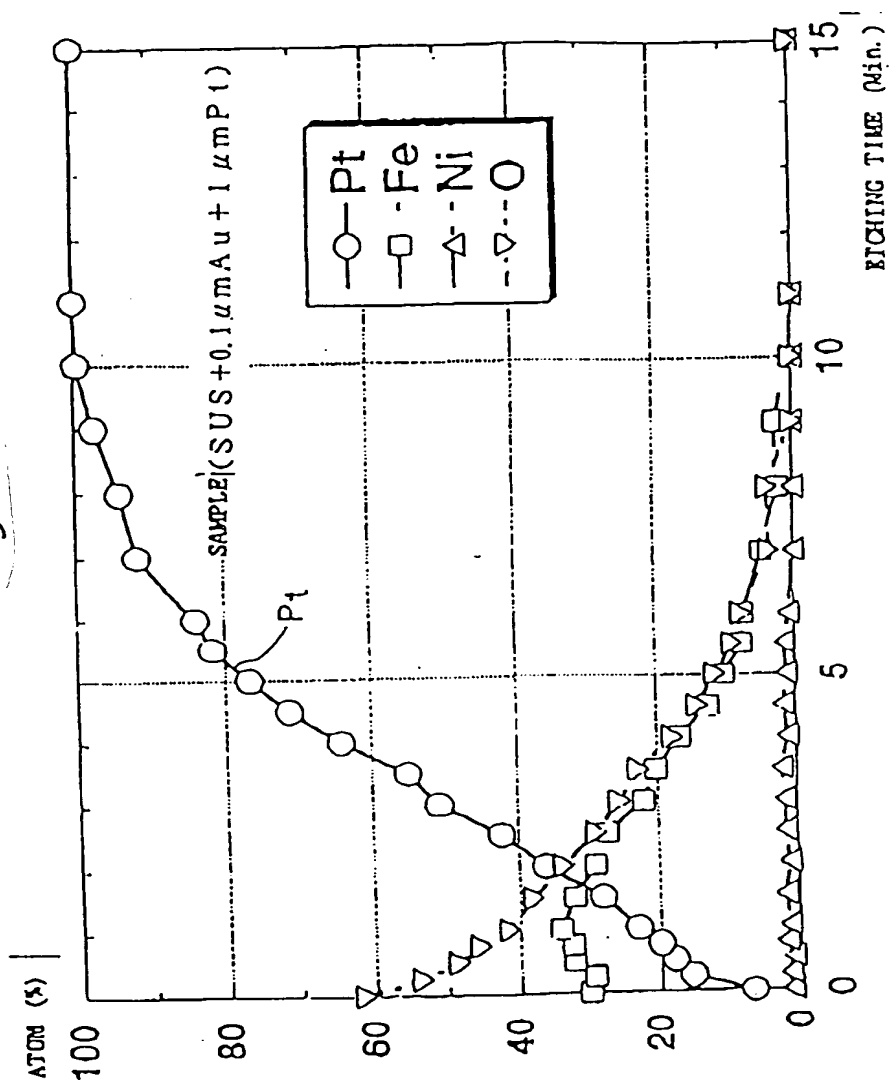


Fig. 4-8



~~Fig. 49~~
 Fig. 49

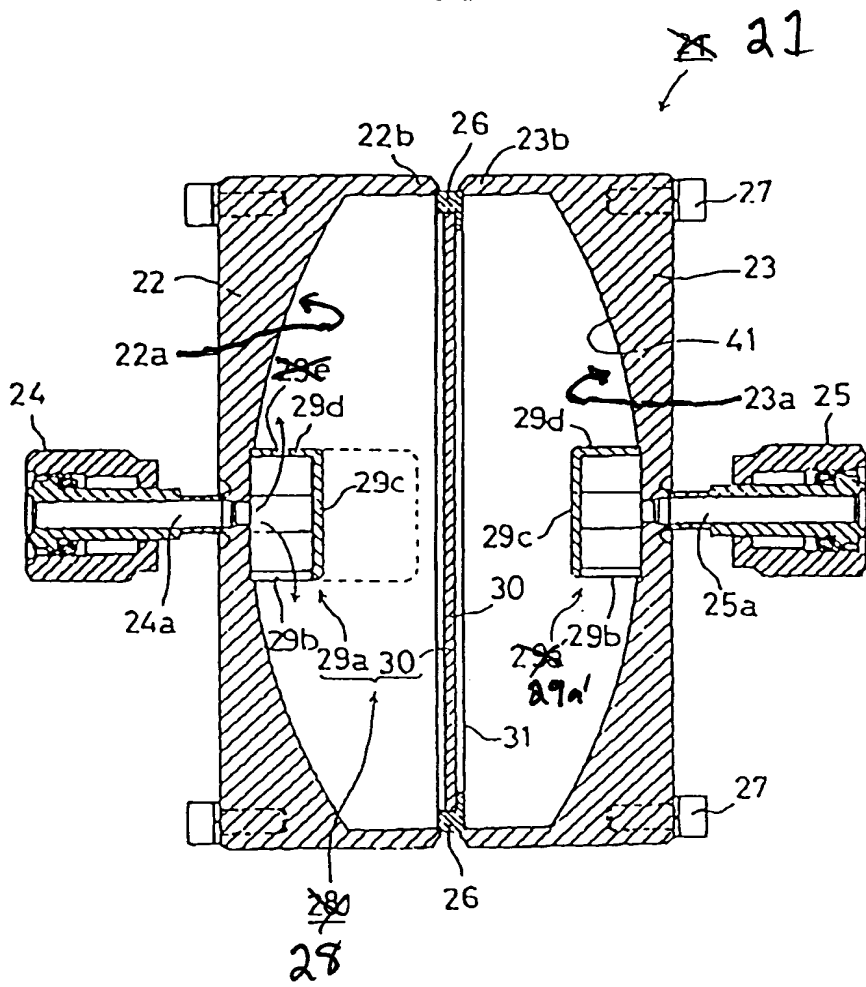




Fig. 50
50

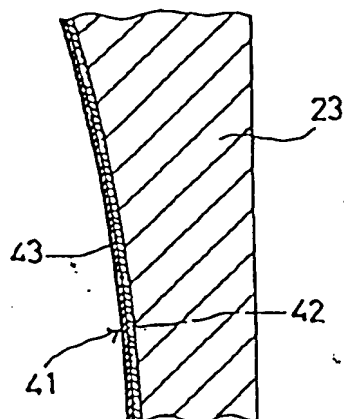


Fig. 51

WATER GENERATION REACTION RATE (%)

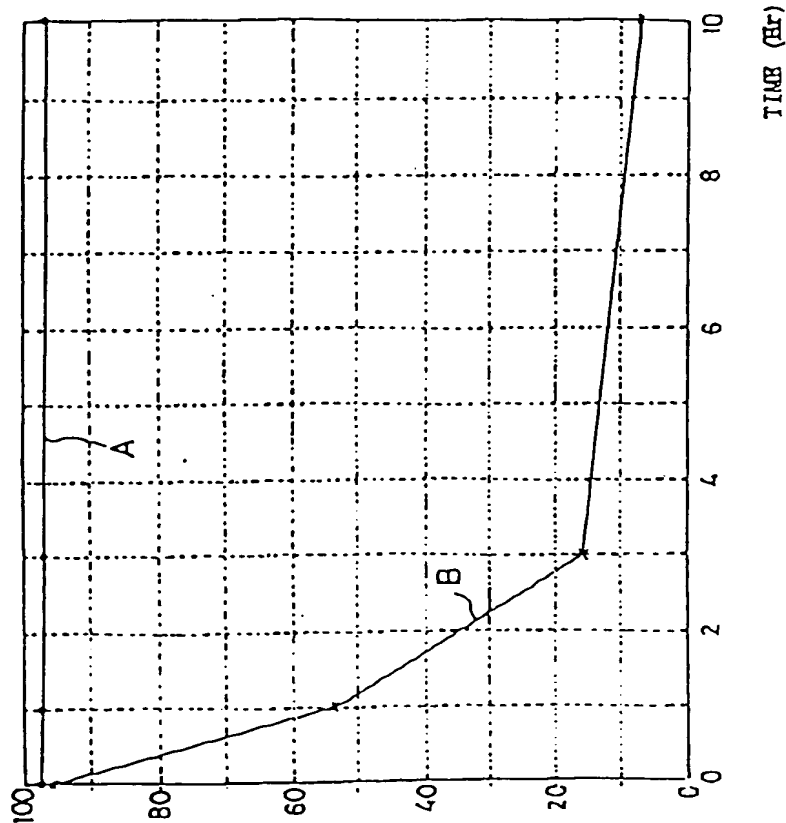


Fig. 52

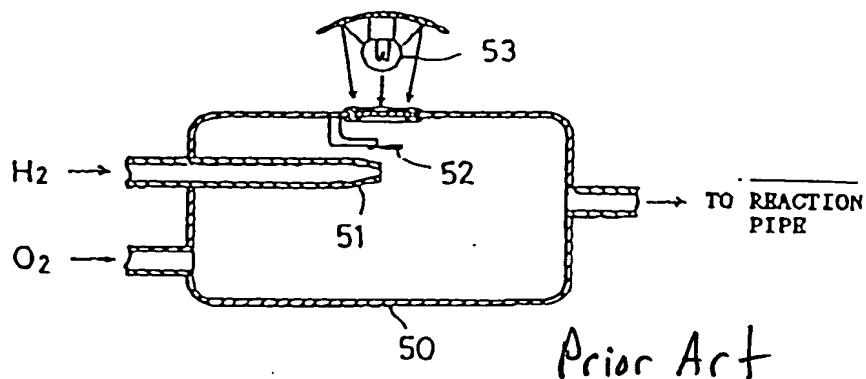


Fig. 53

